

## AMENDMENT

### Listing of Claims:

The following listing of claims replaces all previous listings or versions thereof:

1. (Previously presented) An isolated antimicrobial peptide of 12-37 residues, the peptide comprising an amino acid sequence selected from the group consisting of:

KNLRRIRKIIHIIKKYG-NH<sub>2</sub> (SEQ ID NO: 1),  
KNIRRIIRKIIHIIKKYG-NH<sub>2</sub> (SEQ ID NO: 6),  
KNIRRIIRKIIHIIKKYG (SEQ ID NO: 7),  
KNLRRIRKIIHIIKKYG (SEQ ID NO: 8),  
NLRRIRKIIHIIKKY (SEQ ID NO 9),  
NIRRIIRKIIHIIKKY (SEQ ID NO: 10),  
LRRIRKIIHIIKK-NH<sub>2</sub> (SEQ ID NO: 11),  
LRRIRKIIHIIKK (SEQ ID NO: 12),  
IRRIIRKIIHIIKK-NH<sub>2</sub> (SEQ ID NO: 13),  
IRRIIRKIIHIIKK (SEQ ID NO: 14),  
LRRIRKIIHIIK-NH<sub>2</sub> (SEQ ID NO: 15),  
RRIIRKIIHIIKK-NH<sub>2</sub> (SEQ ID NO: 16),  
RRIIRKIIHIIK-NH<sub>2</sub> (SEQ ID NO: 17),  
KRLRKFRNKIKEKLKKIG (SEQ ID NO: 20),  
RKRLRKFRNKIKEKLKKIGQKI (SEQ ID NO: 21),  
LRKFRNKIKEKLKKIGQKI (SEQ ID NO: 22),  
LRKFRNKIKEKLKKIGQKIQG (SEQ ID NO: 23),  
RKFRNKIKEKLKKIG (SEQ ID NO: 24),  
KIKEKLKKIGQKIQG (SEQ ID NO: 25),  
KIKEKLKKIGQKIQGLL (SEQ ID NO: 26),  
and  
KNLRRIRKIIHIIKKYGPTILRIIRIIG-NH<sub>2</sub> (SEQ ID NO: 28).

2. (Canceled)
3. (Previously presented) A pharmaceutical composition comprising an antimicrobial peptide of 12 to 37 residues, the peptide comprising an amino acid sequence selected from the group consisting of:

KNLRRIRKIIHIKKYG-NH<sub>2</sub> (SEQ ID NO: 1),

KNIRRIIRKIIHIKKYG-NH<sub>2</sub> (SEQ ID NO: 6),

KNIRRIIRKIIHIKKYG (SEQ ID NO: 7),

KNLRRIRKIIHIKKYG (SEQ ID NO: 8),

NLRRIRKIIHIKKY (SEQ ID NO 9),

NIRRIIRKIIHIKKY (SEQ ID NO: 10),

LRRIIRKIIHIKK-NH<sub>2</sub> (SEQ ID NO: 11),

LRRIIRKIIHIKK (SEQ ID NO: 12),

IRRIIRKIIHIKK-NH<sub>2</sub> (SEQ ID NO: 13),

IRRIIRKIIHIKK (SEQ ID NO: 14),

LRRIIRKIIHIK-NH<sub>2</sub> (SEQ ID NO: 15),

RRIIRKIIHIKK-NH<sub>2</sub> (SEQ ID NO: 16),

RRIIRKIIHIK-NH<sub>2</sub> (SEQ ID NO: 17),

KRLRKFRNKIKEKLKKIG (SEQ ID NO: 20),

RKRLRKFRNKIKEKLKKIGQKI (SEQ ID NO: 21),

LRKFRNKIKEKLKKIGQKI (SEQ ID NO: 22),

LRKFRNKIKEKLKKIGQKIQG (SEQ ID NO: 23),

RKFRNKIKEKLKKIG (SEQ ID NO: 24),

KIKEKLKKIGQKIQG (SEQ ID NO: 25),

KIKEKLKKIGQKIQGLL (SEQ ID NO: 26),

and

KNLRRIRKIIHIKKYGPTILRIIRIG-NH<sub>2</sub> (SEQ ID NO: 28),

formulated in a pharmaceutically acceptable carrier.

4-33. (Canceled)

34. (Previously presented) An antimicrobial peptide consisting of a sequence  
KNLRRIRKIIHIKKYG-NH<sub>2</sub> (SEQ ID NO: 1).
35. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
KNIRRIIRKIIHIKKYG-NH<sub>2</sub> (SEQ ID NO: 6).
36. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
KNIRRIIRKIIHIKKYG (SEQ ID NO: 7).
37. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
KNLRRIRKIIHIKKYG (SEQ ID NO: 8).
38. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
NLRRIRKIIHIKKY (SEQ ID NO 9).
39. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
NIRRIIRKIIHIKKY (SEQ ID NO: 10).
40. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
LRRIRKIIHIKK-NH<sub>2</sub> (SEQ ID NO: 11).
41. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
LRRIRKIIHIKK (SEQ ID NO: 12).
42. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence  
IRRIIRKIIHIKK-NH<sub>2</sub> (SEQ ID NO: 13).

43. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence IRRIRKIIHIIKK (SEQ ID NO: 14).
44. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence LRRIRKIIHIIK-NH<sub>2</sub> (SEQ ID NO: 15).
45. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence RRIIRKIIHIIKK-NH<sub>2</sub> (SEQ ID NO: 16).
46. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence RRIIRKIIHIIK-NH<sub>2</sub> (SEQ ID NO: 17).
47. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence GLRKRLRKFRNKIKEKLKKIG (SEQ ID NO: 19).
48. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence KRLRKFRNKIKEKLKKIG (SEQ ID NO: 20).
49. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence RKRLRKFRNKIKEKLKKIGQKI (SEQ ID NO: 21).
50. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence LRKFRNKIKEKLKKIGQKI (SEQ ID NO: 22).
51. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence LRKFRNKIKEKLKKIGQKIQG (SEQ ID NO: 23).
52. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence RKFRNKIKEKLKKIG (SEQ ID NO: 24).

53. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence KIKEKLKKIGQKIQG (SEQ ID NO: 25).
54. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence KIKEKLKKIGQKIQGLL (SEQ ID NO: 26).
55. (Previously presented) The antimicrobial peptide of claim 1, consisting of the sequence KNLRRIIRKIIHIIKKYGPTILRIIRIIG-NH<sub>2</sub> (SEQ ID NO: 28).